

Curriculum Vita

Edith M. Osborne, Ph.D.

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Education

- Southwestern Oklahoma State University, 2000, B.S. in Chemistry
- Texas A&M University, 2005, Ph.D. in Biochemistry
- New England Biolabs, 2006-2008, Post-doctoral Fellow

Teaching Experience

- Angelo State University, Professor of Biochemistry, 2019-present
- Angelo State University, Associate Professor of Biochemistry, 2014-2019
- Angelo State University, Assistant Professor of Biochemistry, 2008-2014
- Salem State College, Lecturer, 2007

Professional Publications

- "Characterization of a Native Hammerhead Ribozyme Derived from Schistosomes." E. M. Osborne, J. E. Schaak, and V. J. DeRose. 2005 *RNA* 11:187-196.
- "Translational Recoding." E. M. Osborne and Christopher J. Noren. 2008 *Wiley Encyclopedia of Chemical Biology*. Ed. Tadhg P. Begley. New York: John Wiley & Sons, Inc.
- "The identity of the nucleophile substitution may influence metal interactions with the cleavage site of the minimal hammerhead ribozyme." E. M. Osborne, W. L. Ward, M. Z. Ruehle, and V. J. DeRose. 2009 *Biochemistry* 48:44:10654–10664.
- "Expanding the Genetic Code of *Escherichia coli* with Phosphoserine. H-S Park, M. J. Hohn, T. Umehara, L-T Guo, E. M. Osborne, J. Benner, C. J. Noren, J. Rinehart, and D. Söll. 2011 *Science* 333: 1151-1154.